

100

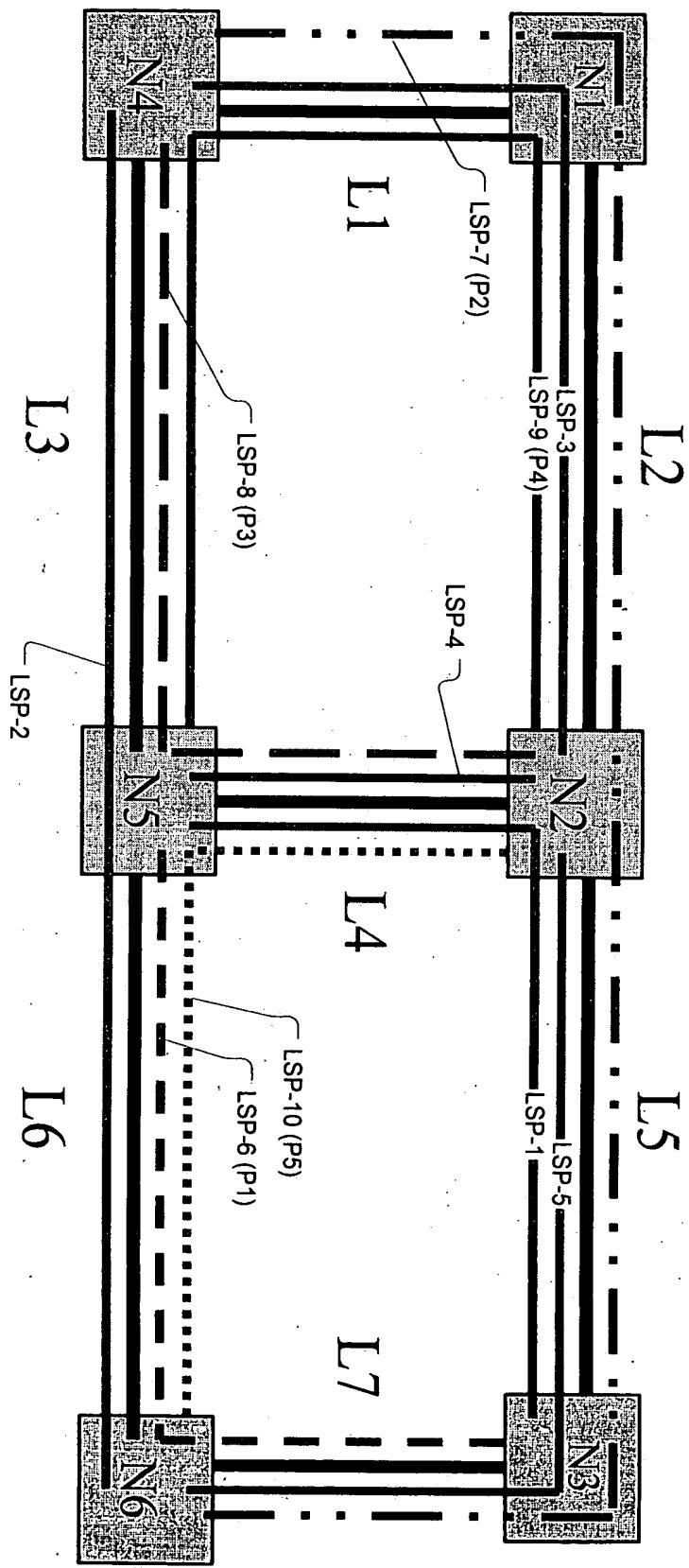


FIG. 1

TABLE 1

Link	L1	L2	L3	L4	L5	L6	L7	N1	N2	N3	N4	N5	N6	Max
L1			1	1		1							1	1
L2			1	1		1							1	1
L3	1	1		1				1						1
L4	1	1			1		1	1	1					1
L5			1		1				1				1	1
L6				1	2	1		1	1	1				2
L7			1	1	1	1		1	1	1	1			1

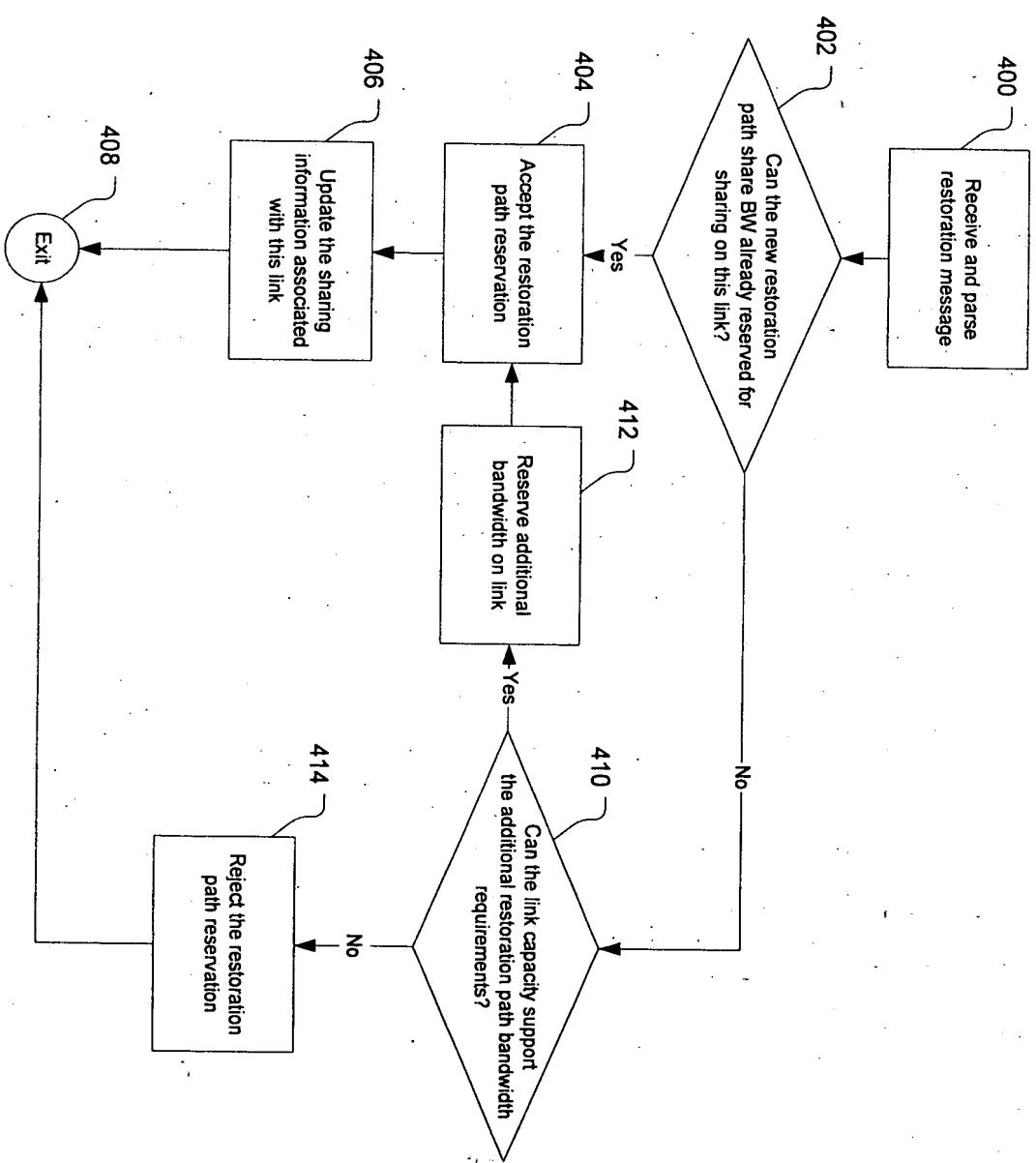
FIG. 2

TABLE 2

Link	L1	L2	L3	L4	L5	L6	L7	N1	N2	N3	N4	N5	N6	Max
L1			2	2		1							2	2
L2			2	2		1							2	2
L3	1	1		1				1						1
L4	1	1			1		1	1	1	1				1
L5			1		1							1	1	
L6				1	2	1		1	1	1			2	
L7			1	1	1	1		1		1	1		1	1

FIG. 3

FIG. 4



500

FIG. 5

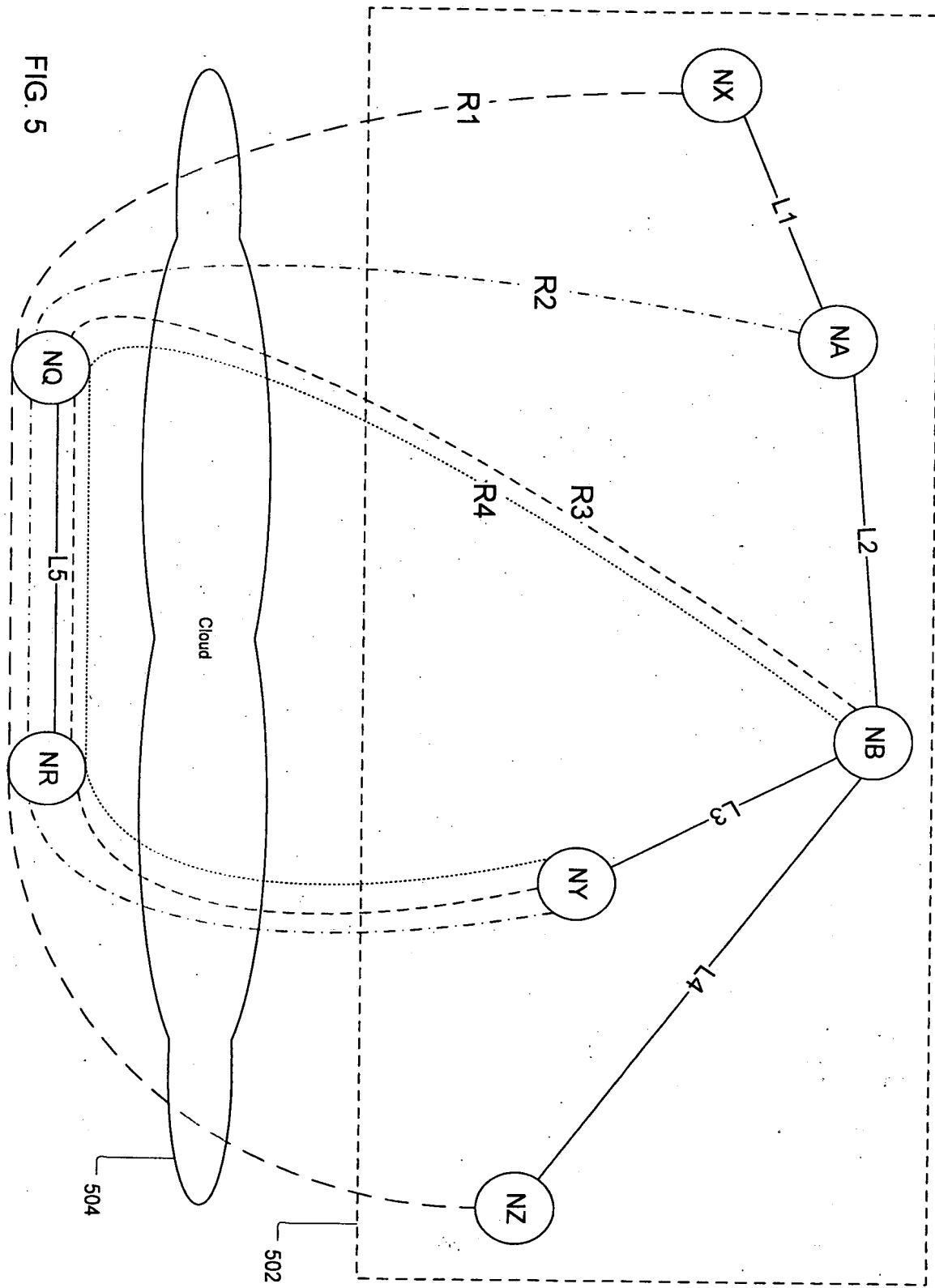
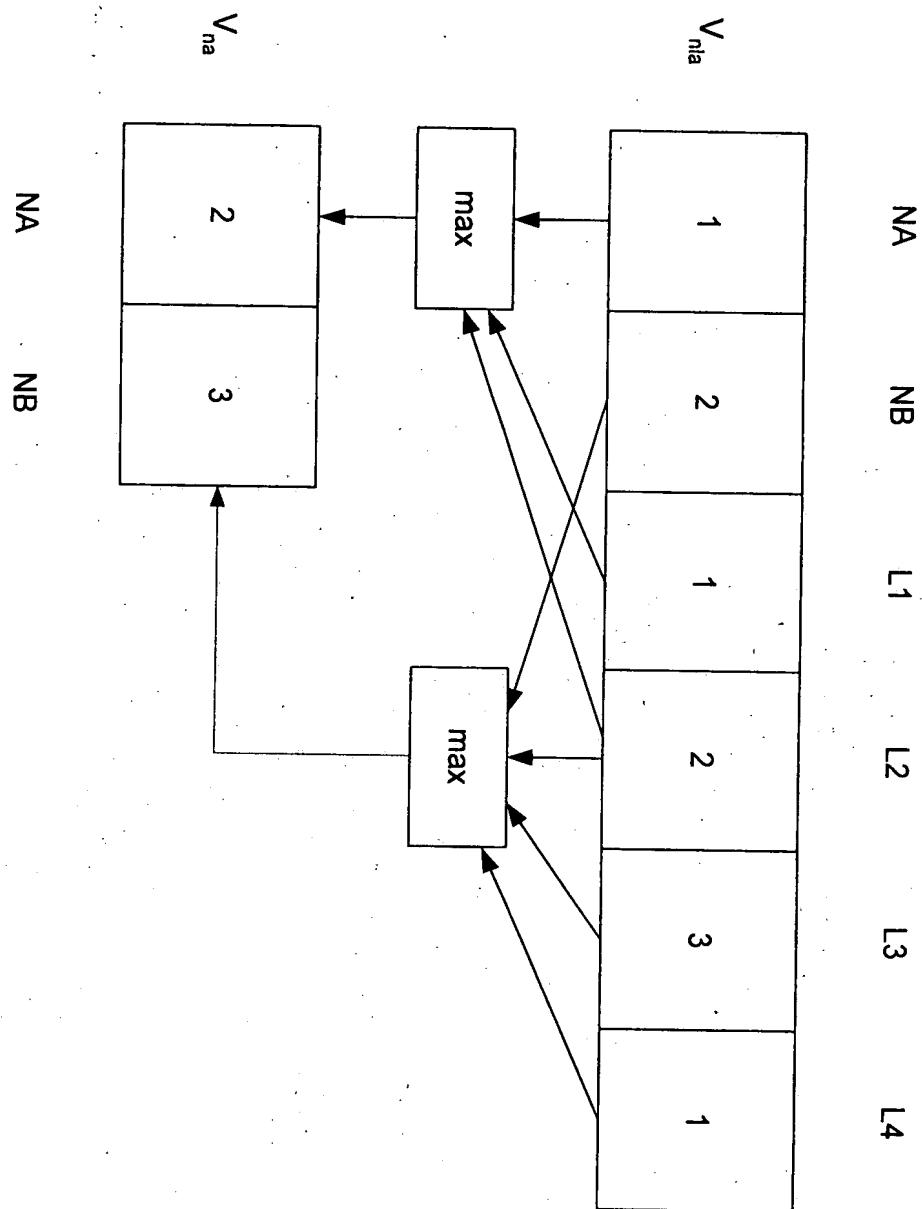


FIG. 6



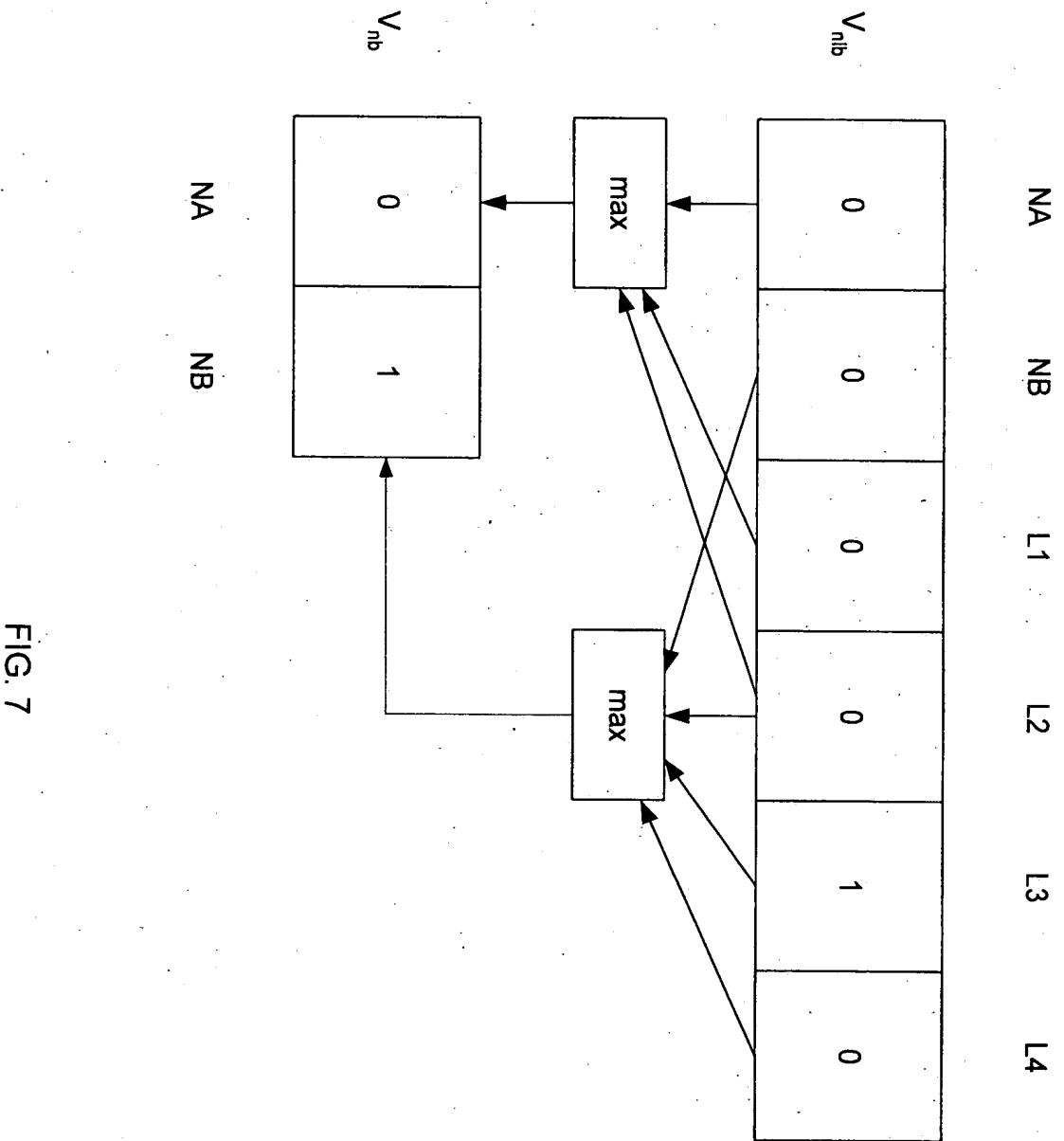
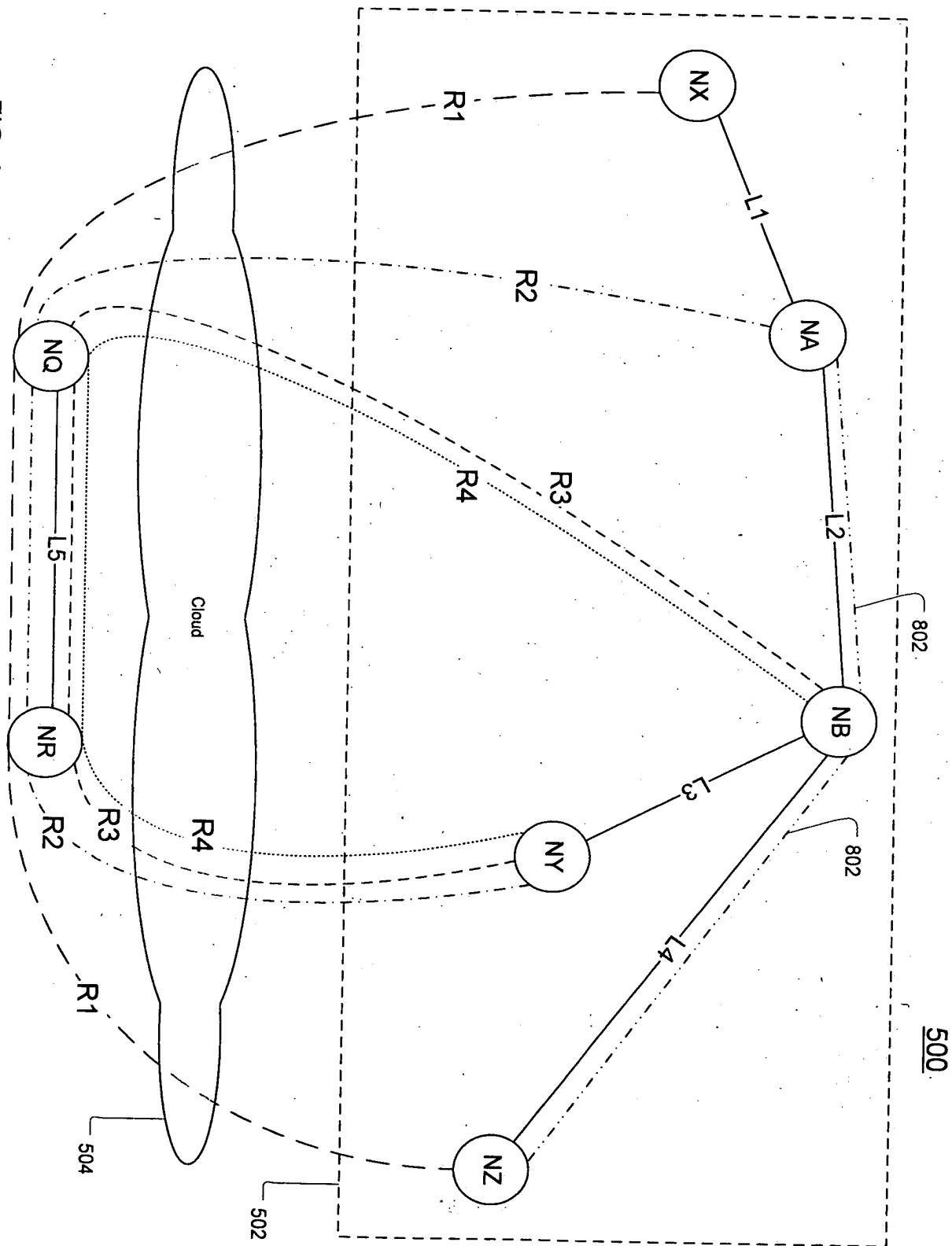


FIG. 8



NA NB L1 L2 L3 L4

V_{pn}	0	1	0	1	0	1
	1	1				

V_{pn}	1	1
	1	1

NA NB

FIG. 9

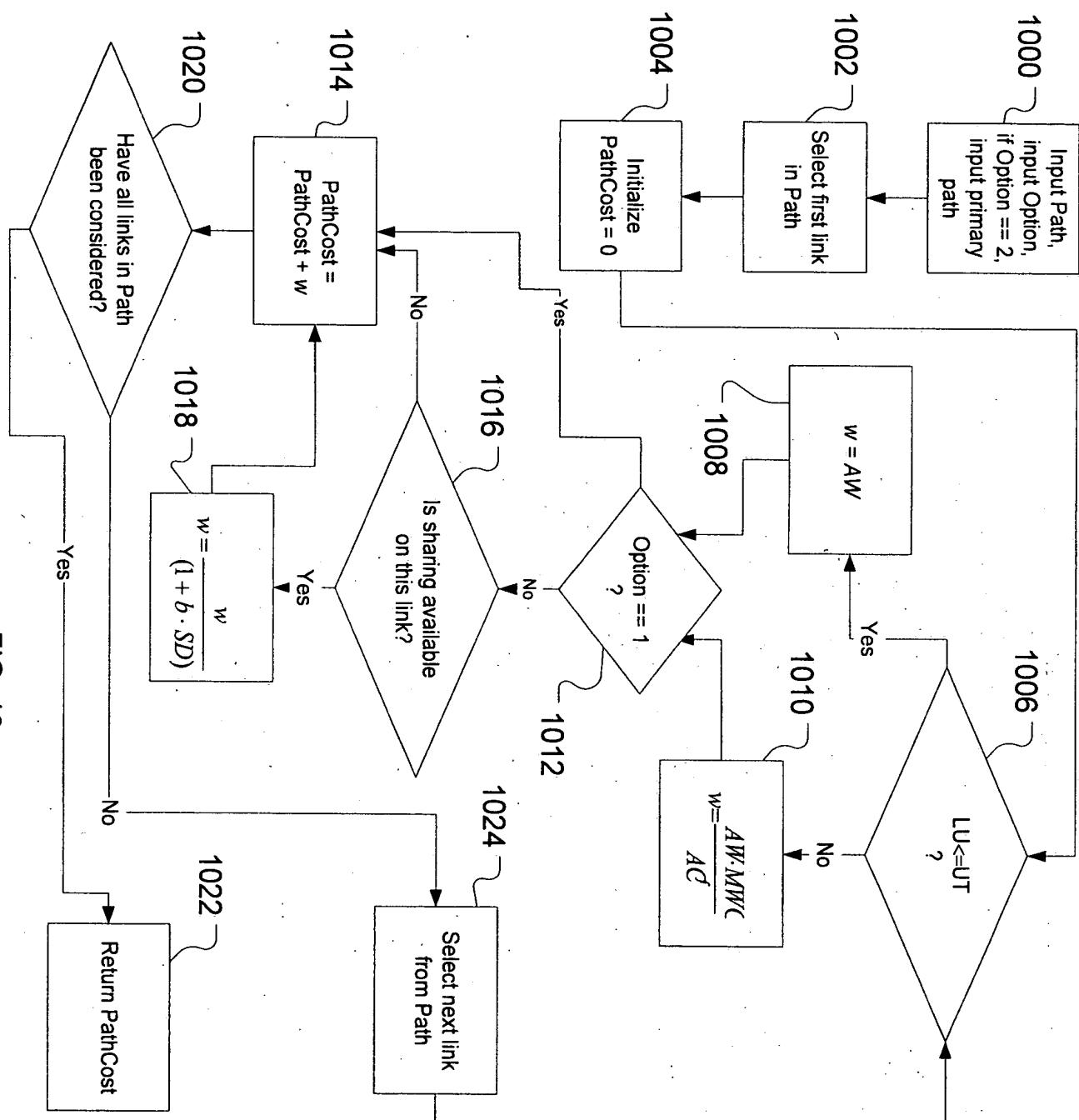


FIG. 10

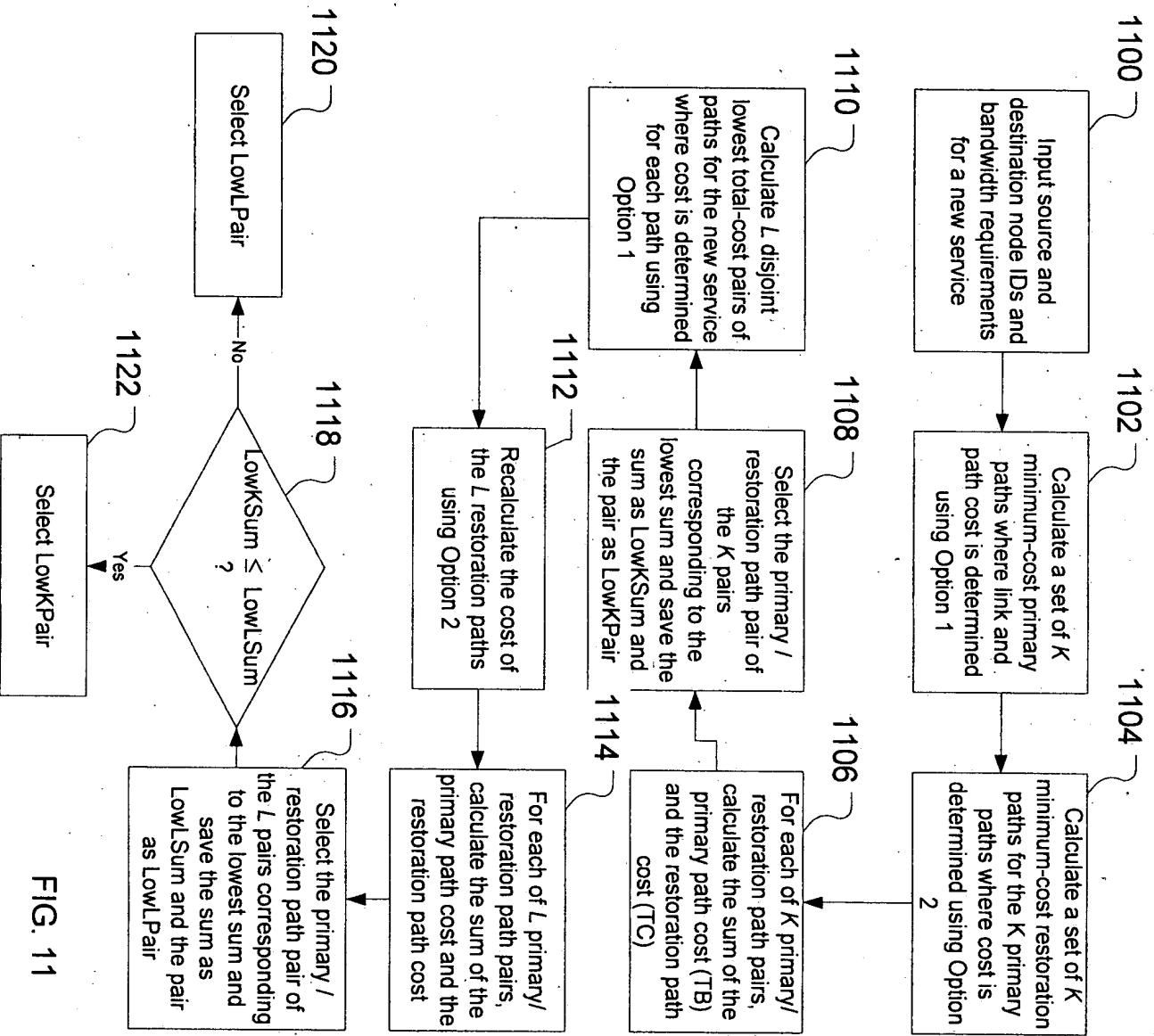


FIG. 11

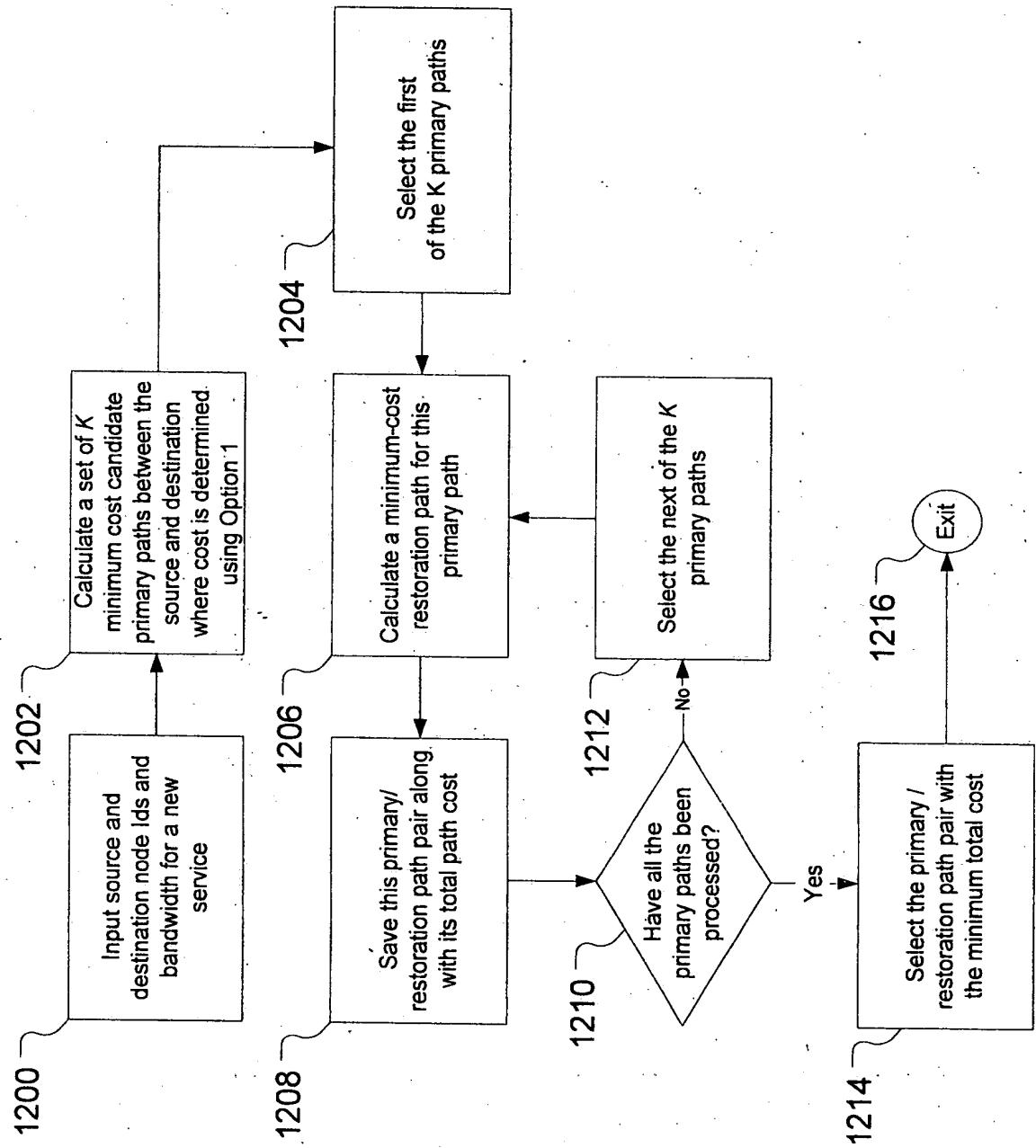


FIG. 12

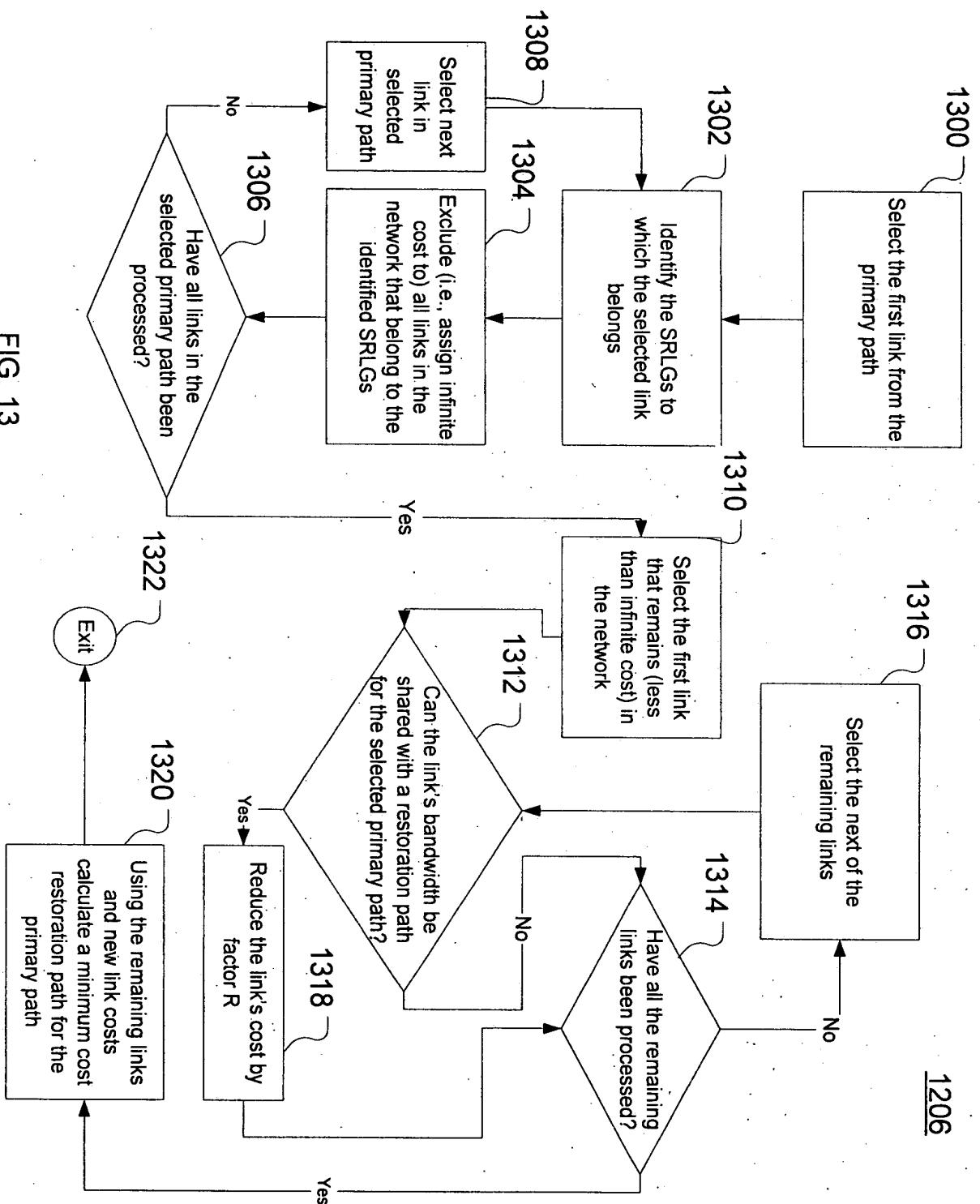


FIG. 13

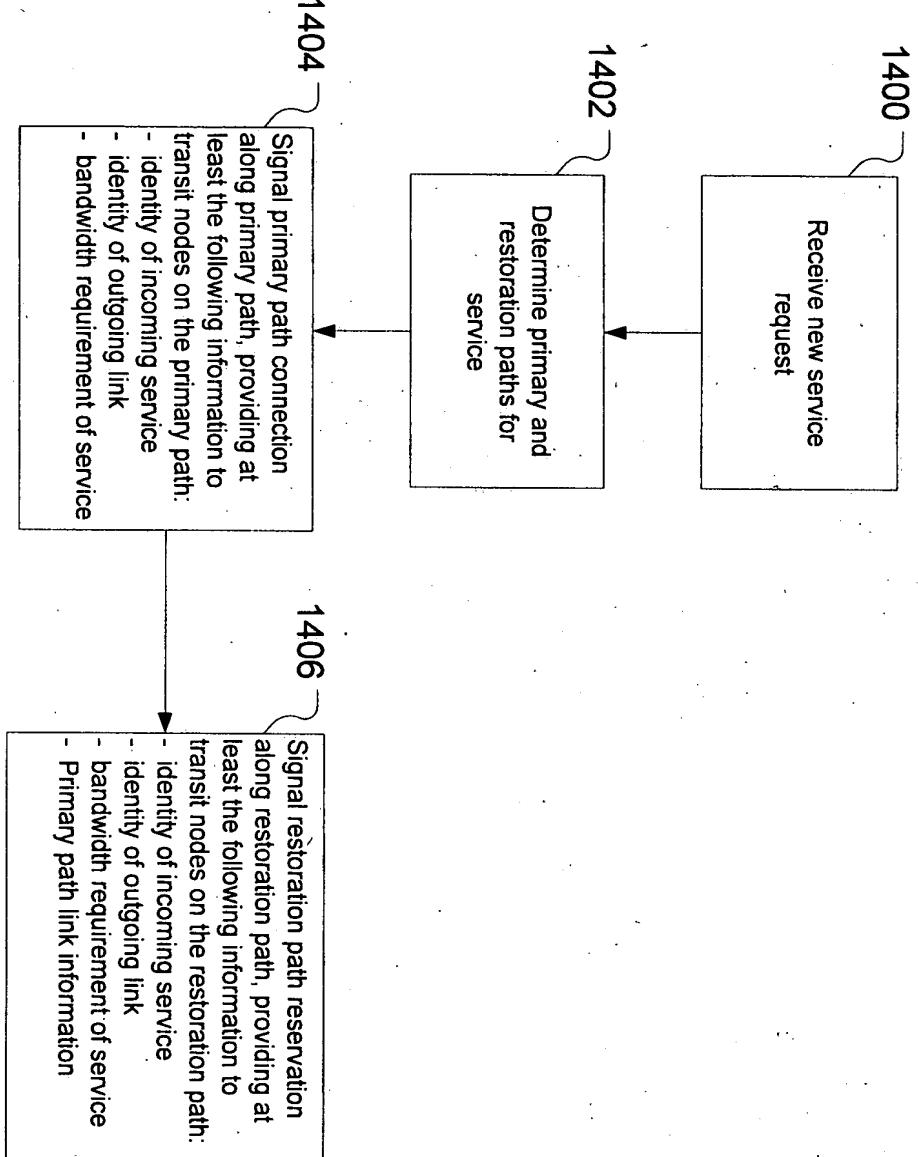


FIG. 14

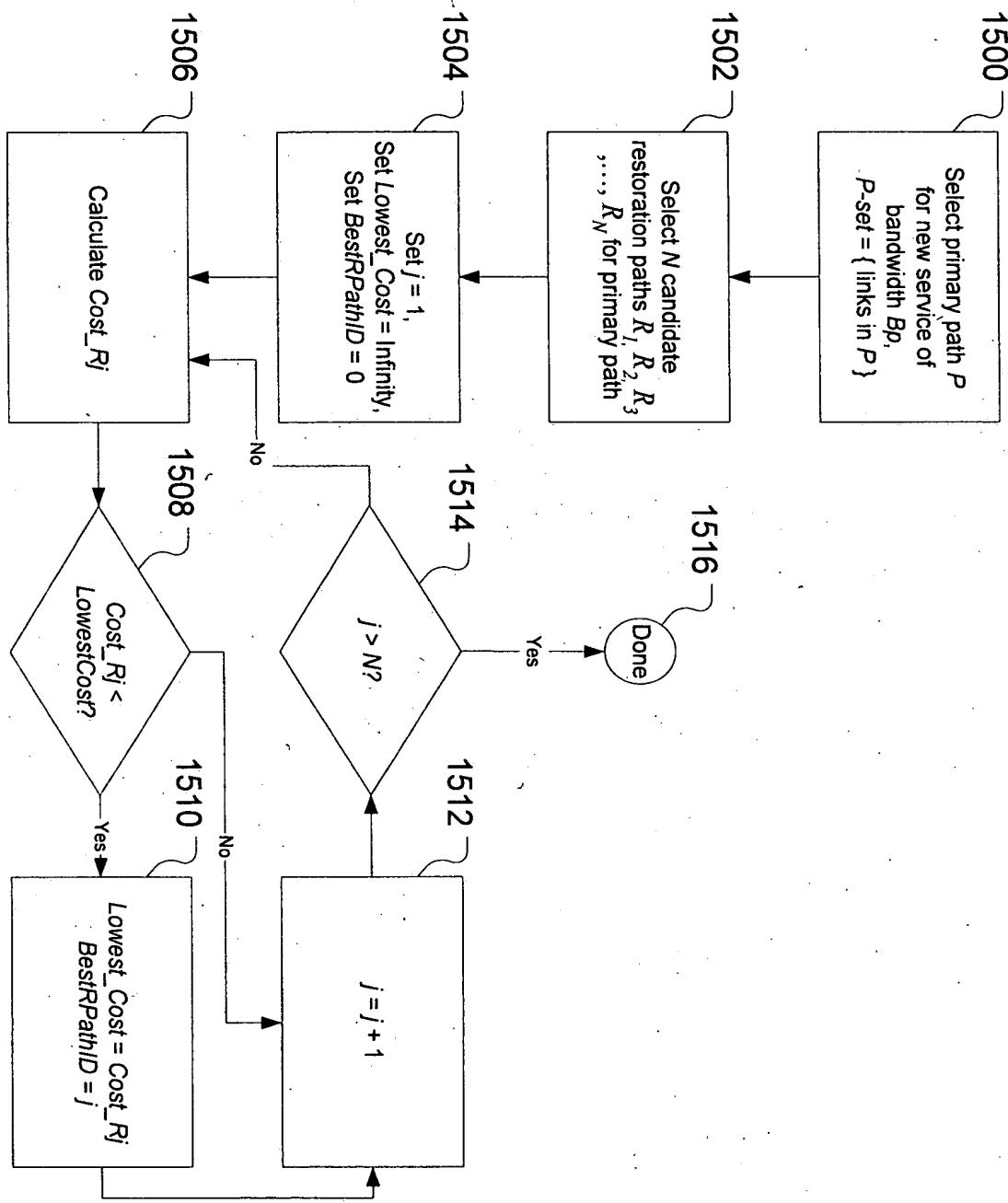
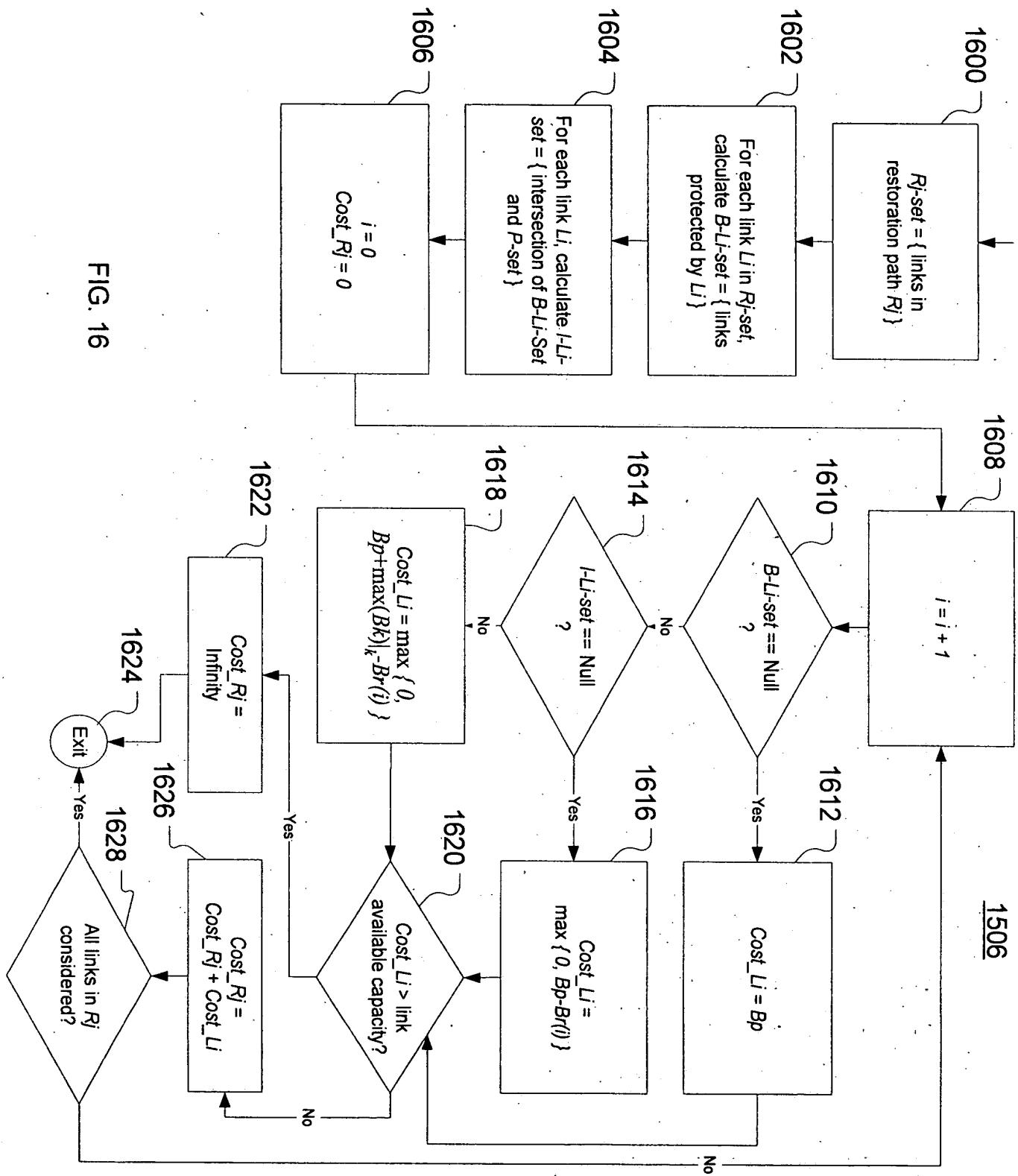


FIG. 15



1700

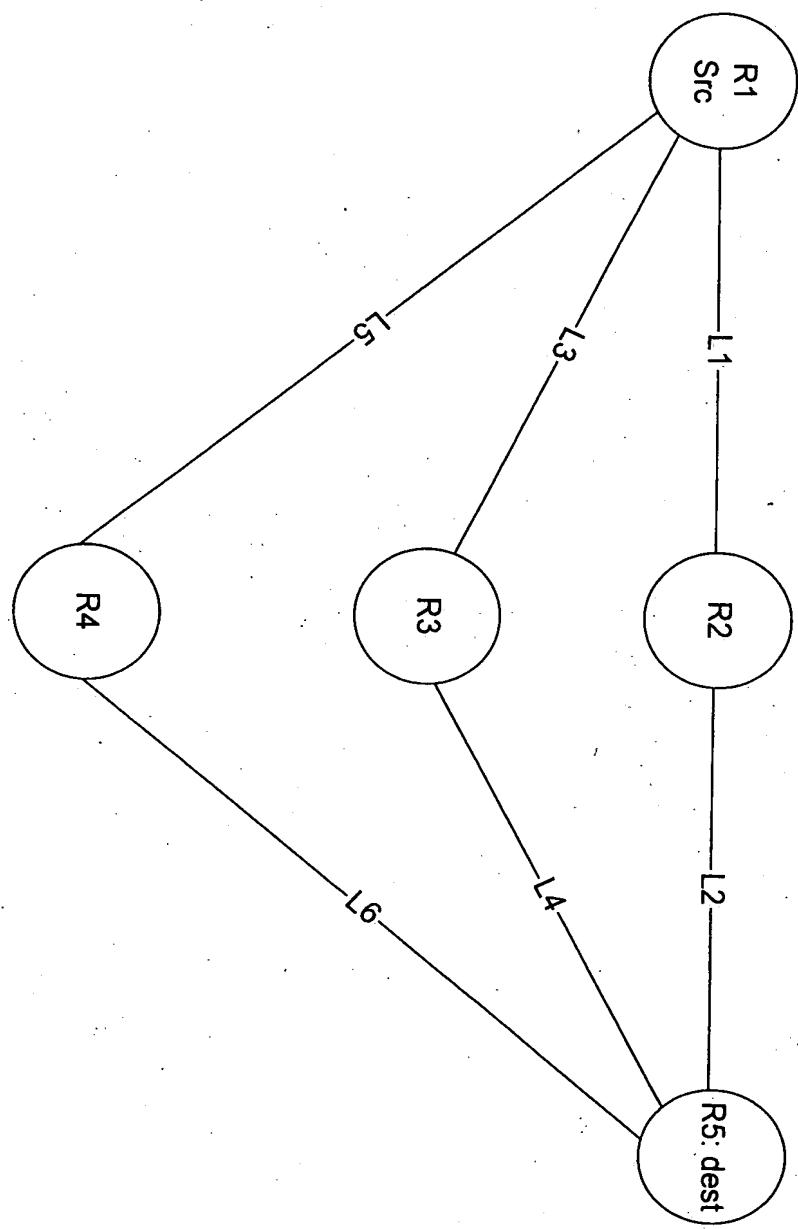
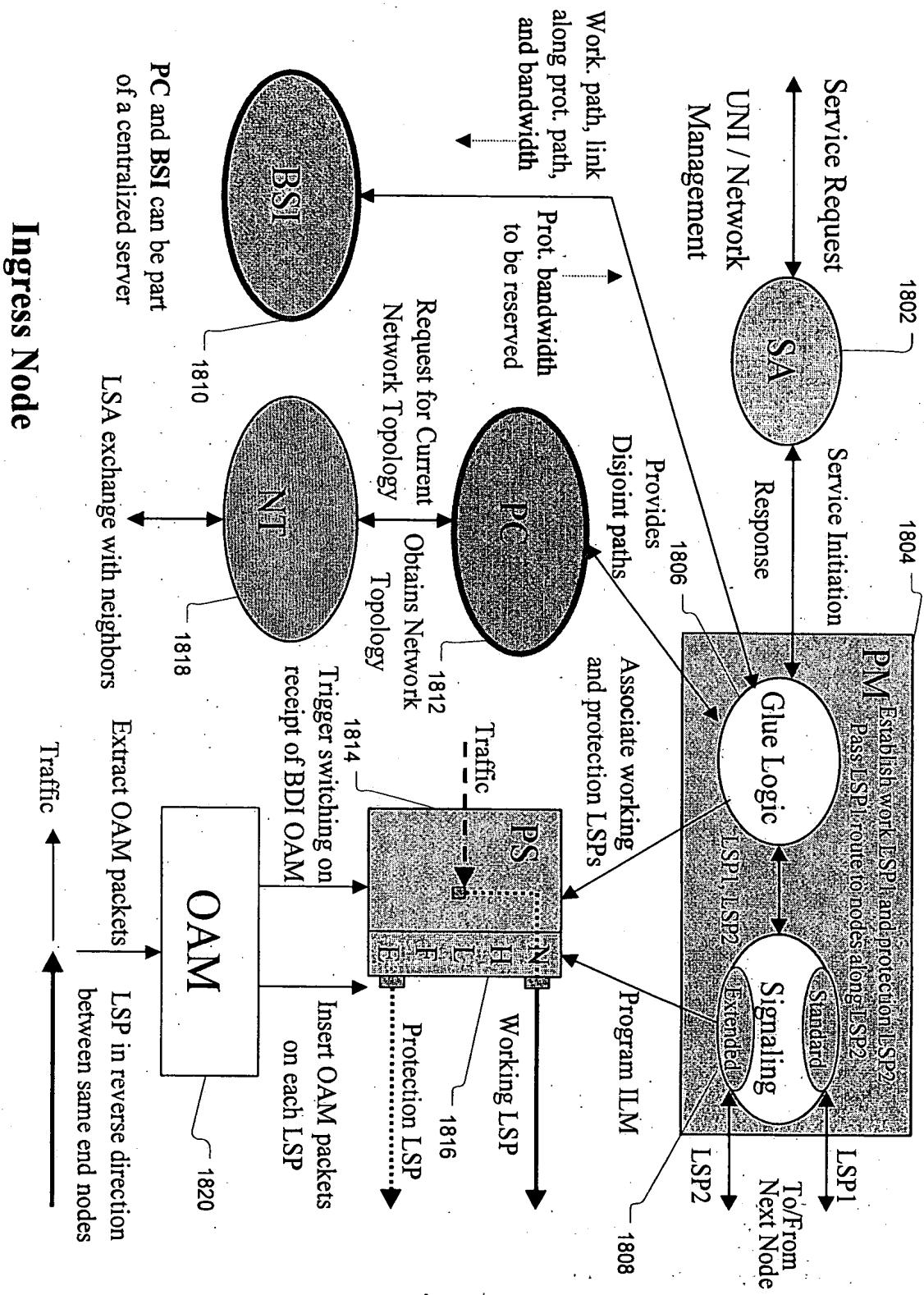


FIG. 17

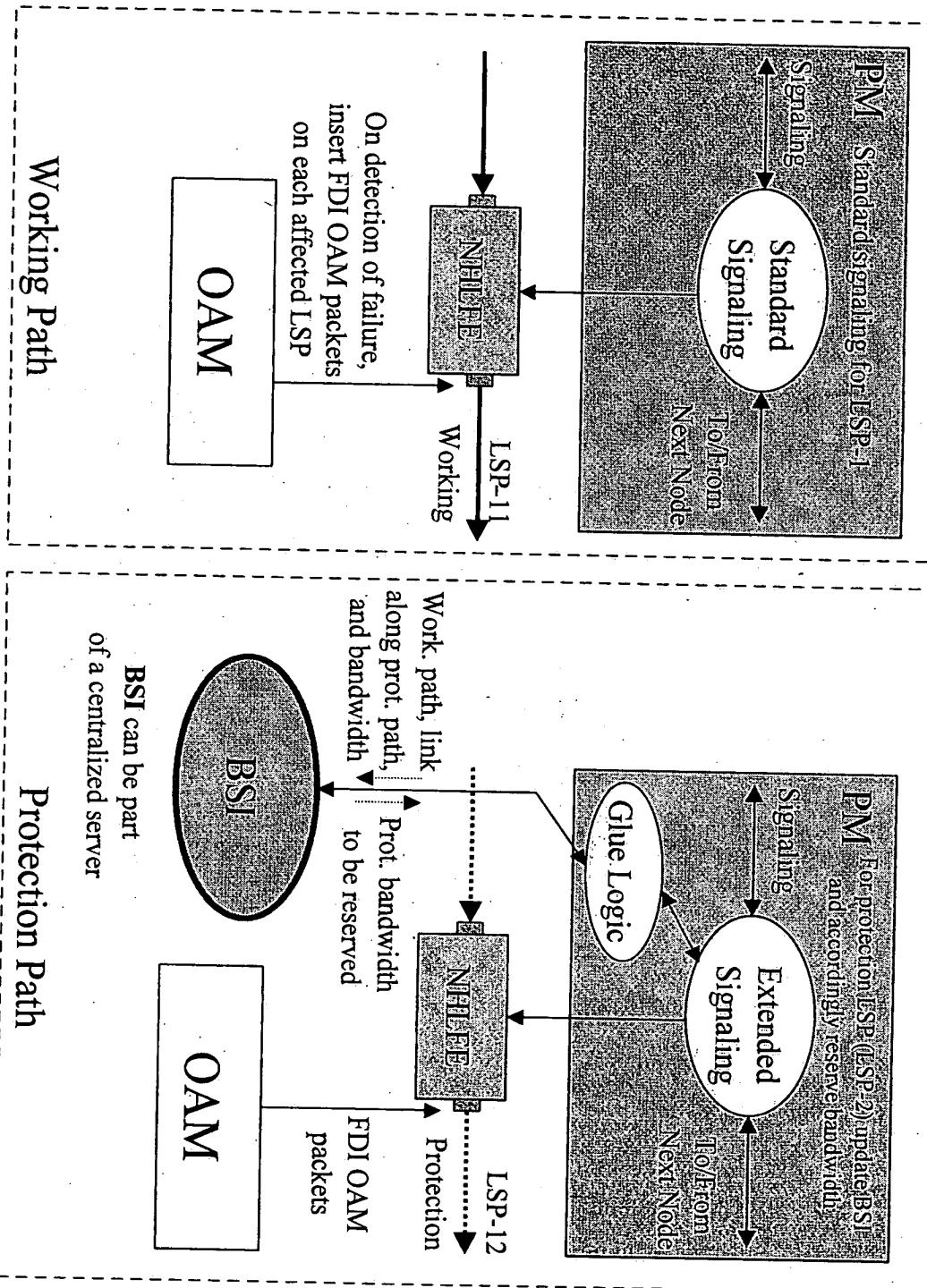


Ingress Node

FIG. 18

Intermediate Nodes

1902 → ← 1904



Working Path

Protection Path

BSI can be part
of a centralized server

FIG.19

Egress Node

2000

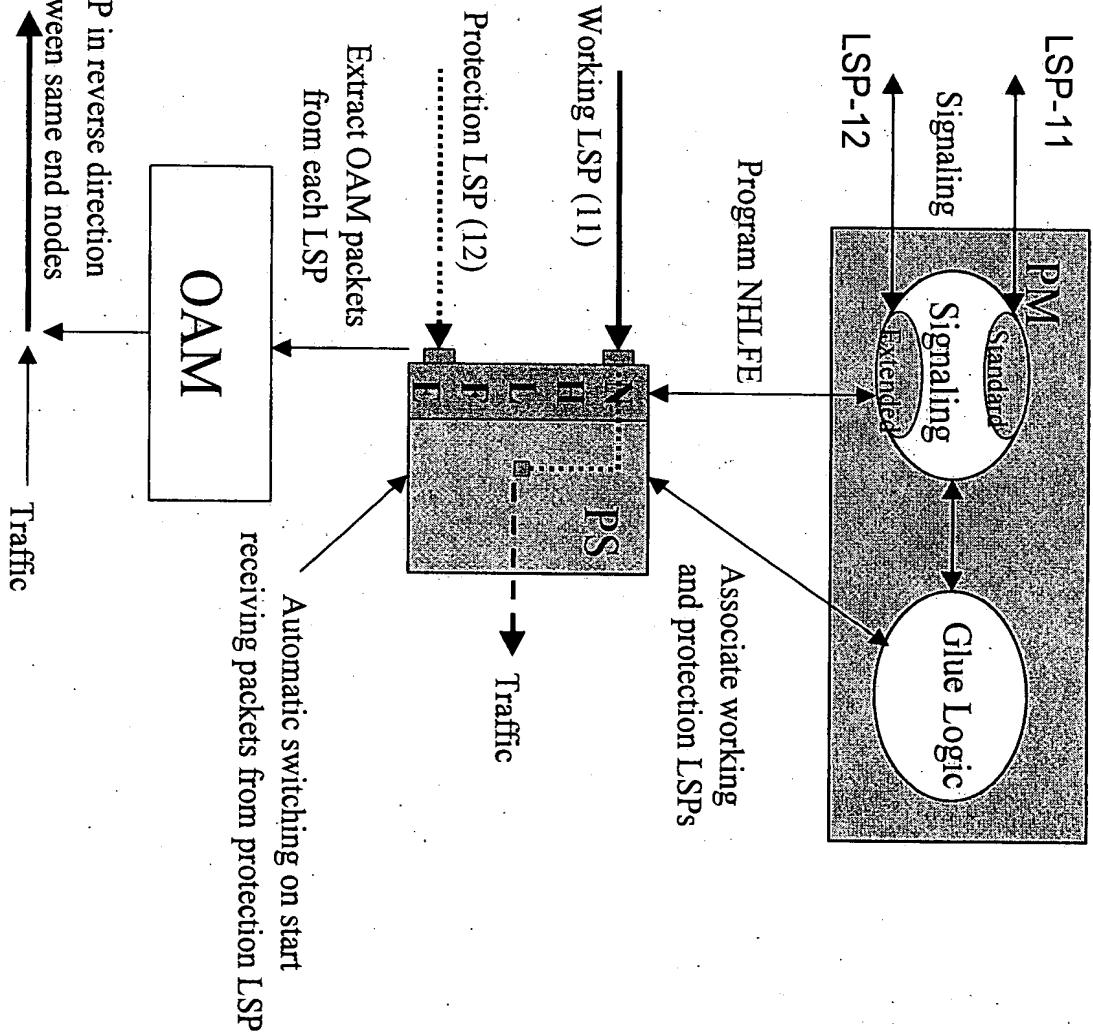


FIG. 20